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	Application No.	Applicant(s)	
Notice of Allowability	10/602,577	FEUDEL ET AL.	
	Examiner	Art Unit	
	Evan Pert	2829	
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.			
1. This communication is responsive to the application filed June 24, 2003.			
2. The allowed claim(s) is/are <u>1-36</u> .			
3. 🔯 The drawings filed on <u>24 June 2003</u> are accepted by the Examiner.			
 4.			
7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.			
 Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/O Paper No./Mail Date 0404 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	5. Notice of Informal F 6. Interview Summary Paper No./Mail Da 7. Examiner's Amenda 8. Examiner's Statema 9. Other	(PTO-413), te ment/Comment	

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DETAILED ACTION

Allowable Subject Matter

1. Claims 1-36 are allowed.

2. The following is an examiner's statement of reasons for allowance:

Applicant's claimed method is "cost-efficient and reliable" (abstract) and can be distinguished from prior art by the claimed acts of "assessing a lateral dimension of an overlap" of a "second conductor" based upon "an identified relationship" between capacitive coupling of a conductor different than the second conductor (claims 1-11).

Regarding claims 12-21, applicant's claimed method can be distinguished from prior art by the claimed "reference dopant profile" offset by "dielectric regions" (e.g. spacers) by first and second "offset thickness," with an "assessing lateral distribution" on the basis of capacitive couplings at the first and second offset thickness (claims 12-21).

Regarding claims 22-36, applicant's method of assessing an implanted dopant profile can be distinguished from prior art by the act of using first and second sidewall spacers having first and second widths, respectively, as an implantation mask, and then "determining an overlap capacitance...to establish a dependence of overlap capacitance variation with spacer width variation for the dopant profile being assessed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The four references cited are relevant to determining lateral dopant profiles by measuring capacitance, but do not suggest, for example, the "reference dopant profile" or "first and second conductors," in the context of applicant's written description.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Evan Pert whose telephone number is 571-272-1969. The examiner can normally be reached on M-F (7:30AM-3:30 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamand Cuneo can be reached on 571-272-1957. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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